

Augusta State University Student Technology Fee Proposal Form

Please complete the following information for projects to be submitted to the Student Technology Fee Committee.

Title of project: Technology in the General Chemistry Lab
Requestor's name and email: Donna Hobbs (dhobbs@aug.edu)
Department/Organization: Chemistry/physics
Date: October 18, 2007
Estimated Project Cost: \$4831.84

Brief summary of the project:

We would like to purchase 16 LabQuest interface units. In general chemistry lab, students currently use sensors to collect experimental data on pH, reaction rates, temperature, etc., through a graphing calculator, then download the data to a computer to analyze it. The calculators that are currently used are old and frequently do not integrate correctly with the sensors and the computers, causing problems, delays, and frustration for the students. Vernier has recently introduced LabQuest, a new way to view and explore data. With this new interface, students can use our current sensors but will have a more efficient, reliable means to analyze data, including curve fitting and statistics.

Estimated cost for years 2 and 3: No additional costs.

Will this project become a recurring expense? Yes No

If the answer is yes, what are the plans for funding recurring expenses?

Could a portion of this project be funded and still be viable? If the answer is yes, please explain and prioritize: Yes No

We must have enough units for each pair of students in lab.

Please estimate the approximate number of students that will benefit either directly or indirectly from this project. ~500

How does this project support academic/instructional activities?

These units will be used in general chemistry lab. The units make data collection and analysis easy with built-in graphing and analysis software, allowing students to spend more time understanding concepts.

If the submitting organization is an academic or administrative department, is this project included in the unit plan? N/A Yes No

To attach supporting documentation, click the Submit button. Use your email attachment feature to add the files before sending the email.

Submit

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Submit form via email to this year's chair (Bill Nelson, Reese Library, 706-737-1745)

If the submit button does not invoke your email package, print the form and submit to Bill Nelson in Reese Library